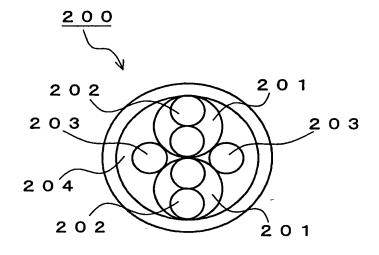
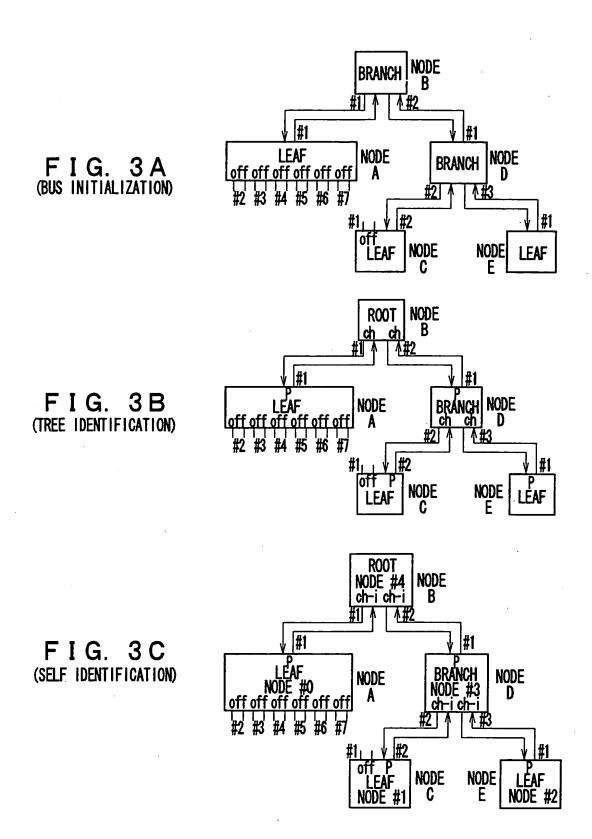
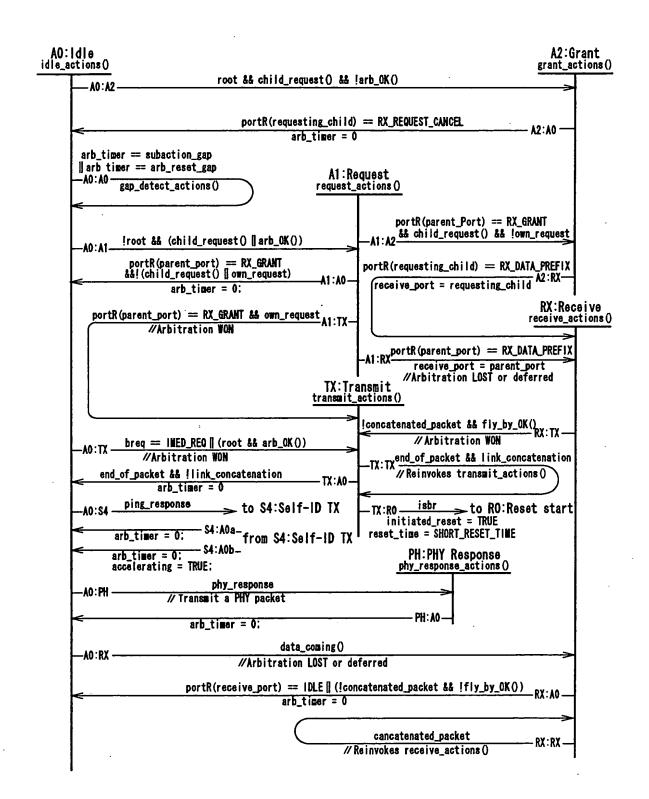
FIG. STROBE CLOCK DATA





#### F I G. 4



#### F I G. 5

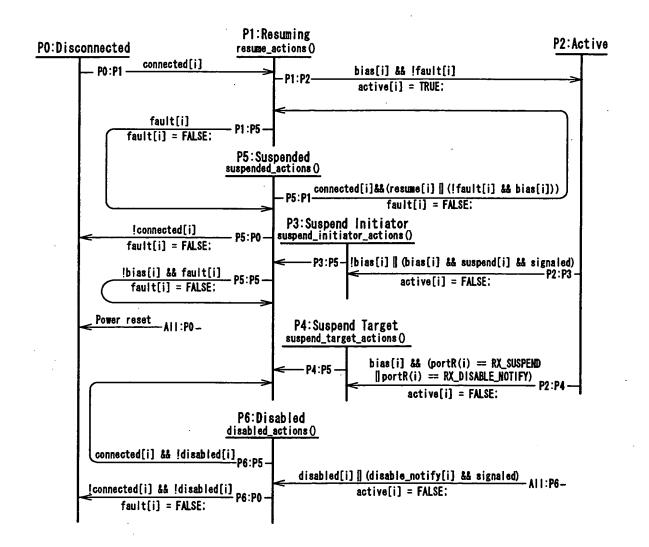


FIG. 6 A

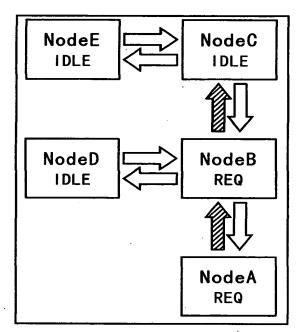
NodeE
IDLE

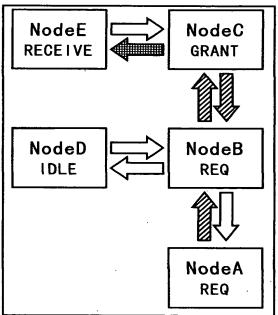
NodeD
IDLE

NodeA
REQ

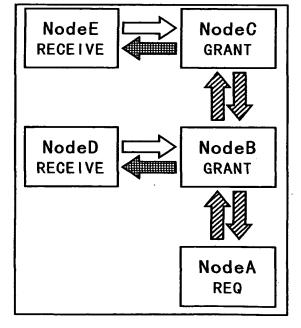
FIG. 6 C

FIG.6B





F I G. 6 D



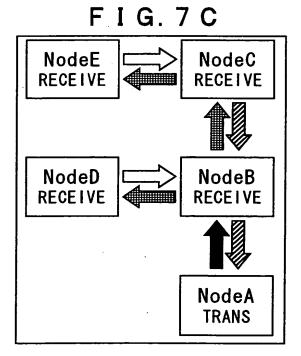
NodeE RECEIVE NodeC GRANT

NodeD NodeB GRANT

NodeA TRANS

NodeE RECEIVE NodeC RECEIVE NodeD NodeB RECEIVE RECEIVE

**TRANS** 



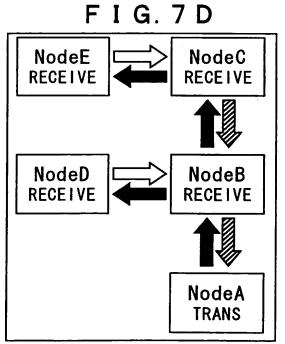


FIG. 8 A

NodeE
IDLE
NodeC
IDLE
(R00T)

NodeB
REQ
NodeA
IDLE

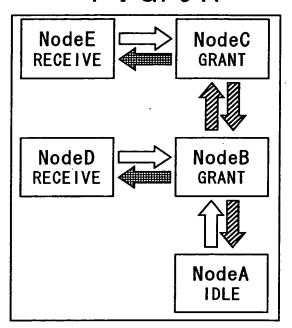
NodeE | NodeC GRANT | NodeD | IDLE | NodeB | IDLE | NodeA | IDLE |

NodeE | NodeC GRANT |
NodeD | NodeB SUSPEND |
NodeA

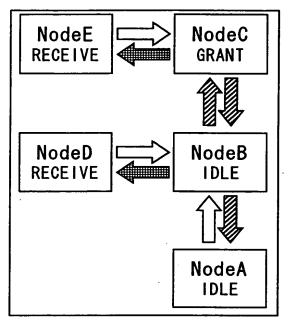
REQ

F I G. 8 C

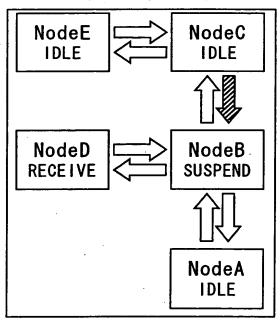
F I G. 9 A



F I G. 9 B

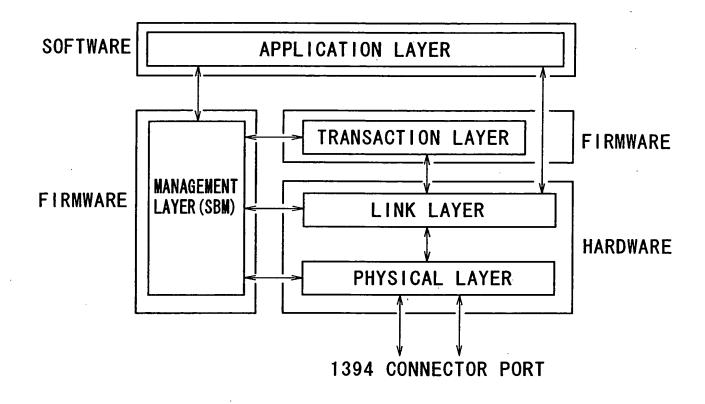


F I G. 9 C



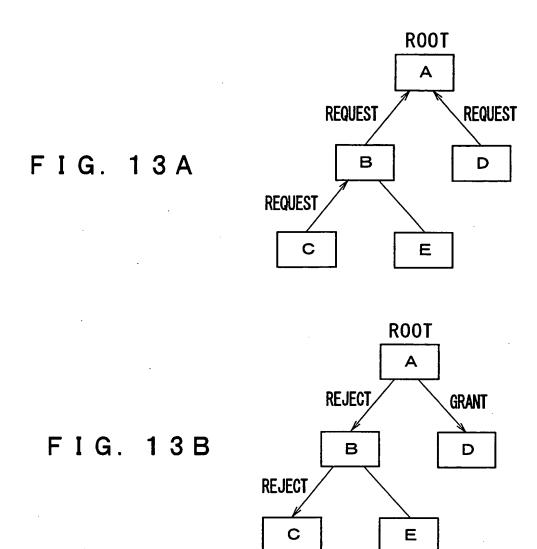
HARD DISK DRIVE PRINTER 200Mbps 2 0 F I G. 10 PERSONAL COMPUTER SCANNER 0 400Mbps CAMERA 200Mbps WORKSTATION 0 CD-ROM

F I G. 11

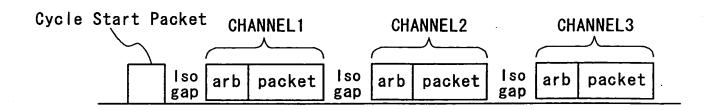


F I G. 12

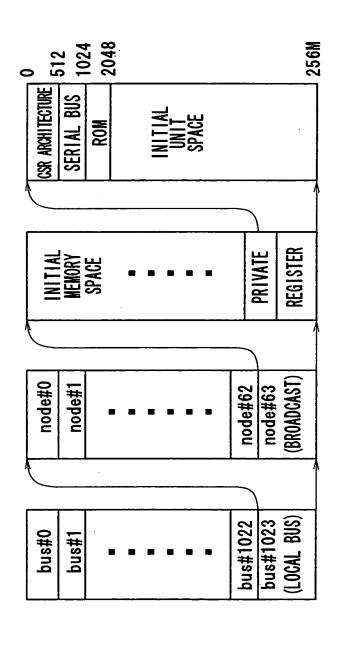
Subaction	arbitration	packet	Ack	Ack	Subaction
gap	ur br cr de l'on	Packet	gap	AUK	gap

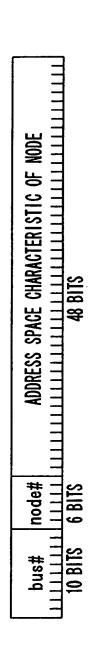


F I G. 14



F I G. 15





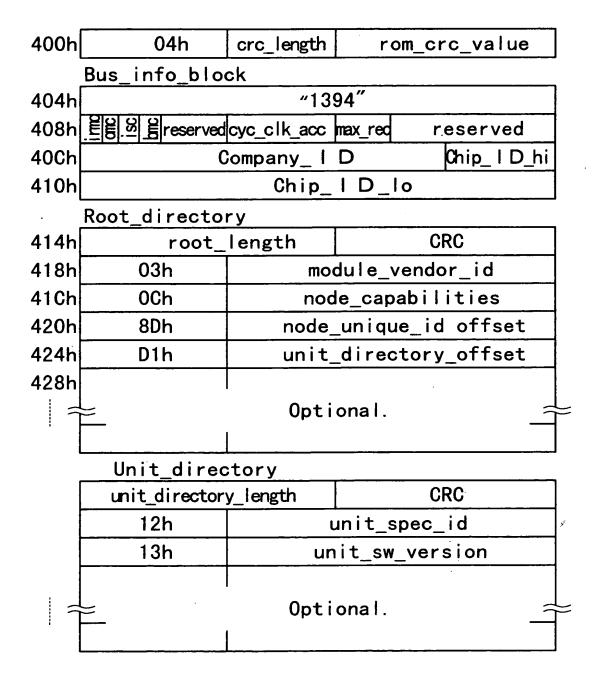
# F - G - 16

0FFSETS	NAMES	FUNCTIONS
4000	STATE_CLEAR	STATE AND CONTROL INFORMATION
004h	STATE_SET	SET STATE_CLEAR BIT
008h	NODE_IDs	INDICATE 16-BIT NODE ID
00Ch	RESET_START	START COMMAND RESET
018h-01Ch	SPLIT_TIMEOUT	PRESCRIBE MAXIMUM TIME OF SPLIT
200h	CYCLE_TIME	CYCLE TIME
210h	BUSY_TIMEOUT	PRESCRIBE LIMIT OF RETRY
21Ch	BUS_MANAGER	INDICATE BUS MANAGER ID
220h	BANDWIDTH_AVAILABLE	INDICATE BANDWIDTH THAT CAN BE ASSIGNED TO ISOCHRONOUS COMMUNICATION
224h-228h	224h-228h CHANNELS_AVAILABLE	INDICATE USED STATE OF EACH
		CHANNEL

## F I G. 17

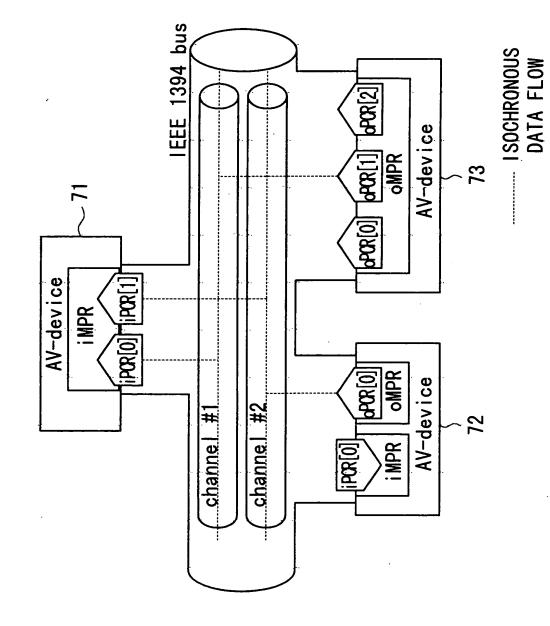
<u> </u>	
ngt	info_length crc_length rom_crc_value
nfo_length  ←→ 	bus_info_block
info	root_directory
•	unit_directories
	root & unit leaves
	vendor_dependent_information

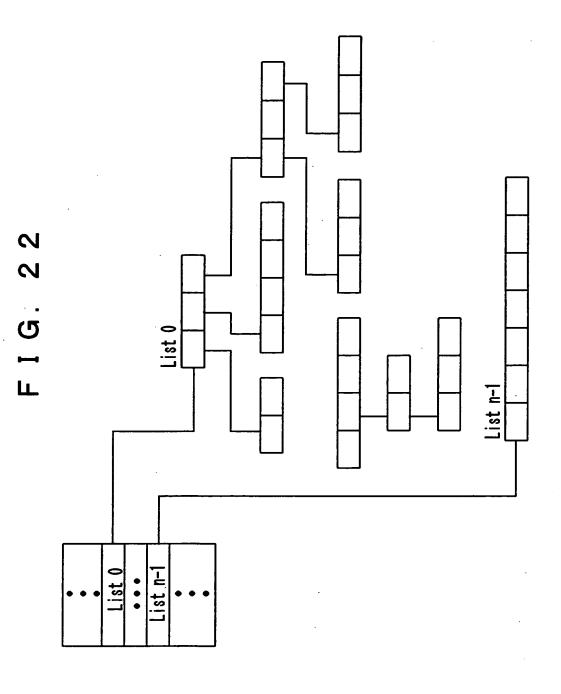
900h	Output Master Plug Register
904h	Output Plug Control Register #0
908h	Output Plug Control Register #1
1 1 1 1 1 1	
97Ch	Output Plug Control Register #30
980h	Input Master Plug Register
984h	Input Plug Control Register #0
988h	Input Plug Control Register #1
-	
9FCh	Input Plug Control Register #30



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	reserved number of output plugs	(bit)		payload	10(bit)		number of output plugs	(bit)		b	(bit)
	er t p	5		<u>&gt;</u>	$\vdash$		number of output plugs	2		reserved	16
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	p exte			channel channel number	2		ex E				
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	pers nsio	~		opc tion ter	9		pers Tsia			int	
	non-persistent extension field			oint-to-poi correction counter			non exte			8 o	
	st se			point-to-point connection counter			reserved norpersistent extension field			it on	
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	oad mel	9		cas tic			ese	9		roadcas onnecti counter	-
	broadcast channel base	• •		broadcast connection counter	-		2			broadcast connection counter	!
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oMPR	data r capabil		oPCR[n]	on-line		iMPR	data ra capabil		P(	o	
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	<b>2</b>			2			2			2	
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F | G. 21





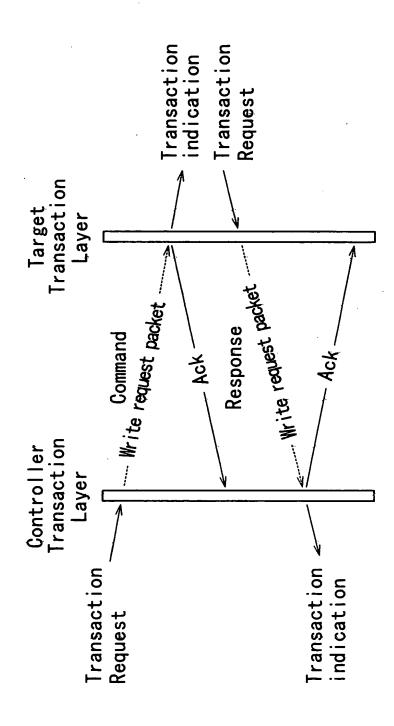
The Gener	ral Subunit Identifier Descriptor
address	contents
00 0016	descriptor_length
00 0116	
00 0216	generation_ID
00 0316	size_of_list_ID
00 0416	size_of_object_ID
00 0516	size_of_object_position
00 0616	number_of_root_object_lists(n)
00 0716	
00 0816	root_object_list_id_0
	root_object_list_id_n-1
	subunit_dependent_length
	subunit_dependent_information
	manufacturer_dependent_length
	manufacturer_dependent_information

	generation_ID values
generation_ID	meaning
0016	Data structures and command sets as specified in the AV/C General Specification, version 3.0
all others	reserved for future specification

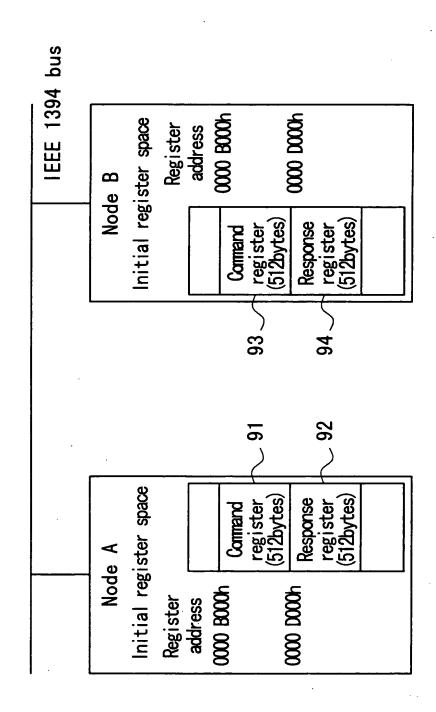
## F I G. 25

List ID Value	Assignment Ranges
range of values	list definition
000016-0FFF16	reserved
100016-3FFF16	subunit-type dependent
400016-FFFF16	reserved
1 000016-max list ID value	subunit-type dependent

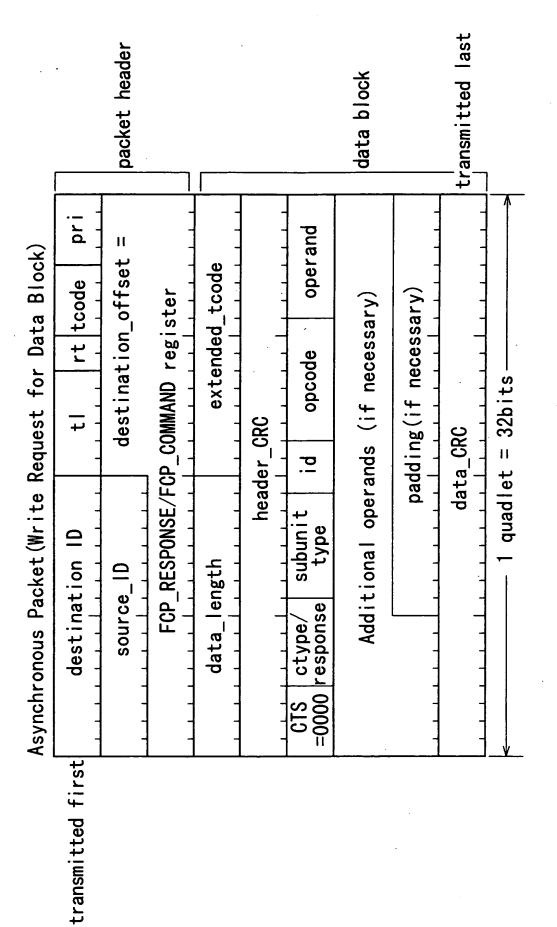
F1G. 26



F1G. 27



F | G. 28



type	ctype/response	undus	subunit_type		80 80 80	opcode:Operation Code
0000	CONTROL	00000	00000 Video monitor	\	00h	00h VENDOR-DEPENDENT
0001	STATUS	<u>~</u>	(reserved)	\	50h	SEARCH MODE
an 0010	SPECIFIC INQUIRY	00011	00011 Disc recorder/	<u></u>	51h	TIMECODE
_	NOTIFY		Player	<u></u>	52h	ATN
0	GENERAL INQUIRY	00100	00100 Tape recorder/		60h	OPEN MIC
0101			Player		61h	READ MIC
	(reserved for future specification)	00101	00101 Tuner		62h	WRITE MIC
0111		00111	00111 Video Camera		C1h	LOAD MEDIUM
1000	NOT IMPLEMENTED	<u>~</u>	(reserved)		C2h	RECORD
1001	ACCEPTED	11100	1100 Vendor unique		c3h	C3h PLAY
1010	REJECTED	11101	11101 reserved		C4h	QNIM
1011	IN TRANSITION	11110	1110 Subunit type		<u>~</u>	
100	IMPLEMENTED/STABLE		extended to next			
101	CHANGED		byte			
110	(reserved for future specification)	11111 Unit	Unit			
_	INTERIM					

FIG. 29C

FIG. 29B

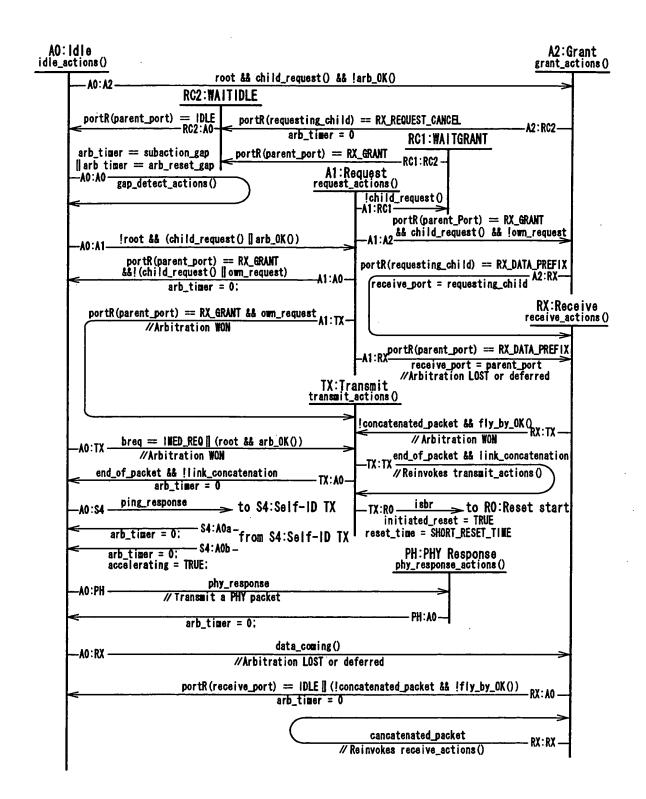
F1G. 29A

FORWARD	operand= 75h	FORWARD	operand= 75h
ASE PLAY	opcode= C3h	SE PLAY	opcode= C3h
黑岛	id= 000	THE CA OF IDO	id= 000
tape recorder IN THE CASE /player OF IDO	subunit type= 00100	tape recorder IN THE CASE /player OF IDO PLAY	subunit type= 00100
AV/C control	CTS= ctype= 0000 0000	AV/C accepted	CTS= response type= 0000 =1001 00100
AV/C	CTS= 0000	AV/C	CTS= 0000
	30 A		3 0 B
	ى ن		ى ت
	Ŧ		L L

20 80 80 0 0 CABLE PORT2 CABLE PORT3 CABLE PORT1 B (STROBE) B (STROBE) B (STROBE) A (DATA) A (DATA) 4017 105 A (DATA) -106 PORT LOGIC1 PORT LOGIC2 PORT LOGICS 103 RXCLK1 **RXCLK3** RXCLK2 DATA3 DATA2 DATAI RXCLK/DATA SELECTOR ARB. SIGNAL2 ARB. Signal3 ARB SIGNAL1 RXCLK TXCLK 0190T LREO PHY SYSCLK 102 DATA CTRL 100 LINK X' TAL

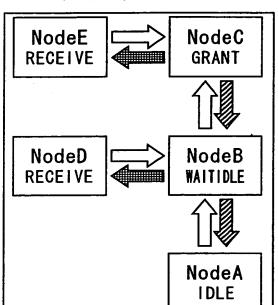
4.74 ×

F I G. 31

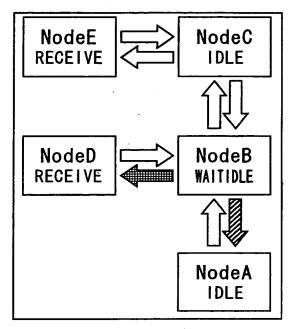


F I G. 33A F I G. 33B NodeC NodeE NodeC NodeE **GRANT RECEIVE** RECEIVE **GRANT** (R00T) NodeD **NodeB** NodeD **NodeB** IDLE WAITGRANT IDLE WAITIDLE **NodeA** NodeA IDLE IDLE F I G. 33C F I G. 33D NodeE NodeE NodeC NodeC IDLE IDLE IDLE IDLE NodeD **NodeB** NodeD **NodeB** IDLE WAITIDLE IDLE IDLE NodeA NodeA IDLE IDLE

F I G. 3 4 A



F I G. 34B



F I G. 3 4 C

